

Antenna arrangement and a method in particular for its operation

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**Abstract:**

An improved antenna arrangement is distinguished by the following features:

- at least two antenna element systems (3.1, 3.2) are provided and each has at least one antenna element (13; 13.1, 13.2), which are arranged offset with respect to one another, at least in the horizontal direction,
- the at least two antenna element systems (3.1, 3.2) transmit and receive at least in one common polarization plane,
- a network (17) is provided, via which the at least two antenna element systems (3.1, 3.2) can be supplied with a signal ( $A_{in1}$ ,  $A_{in2}$ ) with an intensity or amplitude which can be set differently or which can be adjusted relative to one another and preferably with a different phase angle, [sic]

(Figure 1)